RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10537,094

Source: PCT

Date Processed by STIC: 6-13-05

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PCT

RAW SEQUENCE LISTING   DATE: 06/13/2005
PATENT APPLICATION: **US/10/537,094**   TIME: 09:37:42

Input Set : **A:\050345.txt**
Output Set: **N:\CRF4\06132005\J537094.raw**

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    3 <110> APPLICANT: NAGOYA INDUSTRIAL SCIENCE RESEARCH INSTITUTE
    4         YOSHIOKA, Hirofumi
    6 <120> TITLE OF INVENTION: Pathogen-responsive promotor
    8 <130> FILE REFERENCE: P0206402
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/537,094
C--> 10 <141> CURRENT FILING DATE: 2005-06-02
   10 <150> PRIOR APPLICATION NUMBER: JP P2002-351701
   11 <151> PRIOR FILING DATE: 2002-12-03
   13 <150> PRIOR APPLICATION NUMBER: JP P2003-294409
   14 <151> PRIOR FILING DATE: 2003-08-18
   16 <160> NUMBER OF SEQ ID NOS: 39
   18 <170> SOFTWARE: PatentIn version 3.1
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   22 <212> TYPE: DNA
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   27 <222> LOCATION: (246)..(246)
   28 <223> OTHER INFORMATION: n stands for any base
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   33 <222> LOCATION: (278)..(278)
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   44 aaatataatt ctaaagaatt tcgaagattc aattataatt gatcaagaag gtgataagag    240
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   50 ggtgccttac ttgactaaat atttgattaa acattaattt ttggtcagtg gatatacatg    420
   52 ccactcaatt ttaaataaat tagtgatccc ttacgatctt aaaaaaattg tattttttgtg    480
   54 tgtaatgtca actttggttc aaatgtctaa tataataagt attaattcca acagtattag    540
   56 aattttattt ctaagatcac tcttacggtc ttaccactga aagattaaaa ttctaaccaa    600
   58 gaatttgaac tttaaatagt acttatgaat tttacttgcc gtttgaattt tatgtacatg    660
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   66 acattcagat atttaaaatc aattaactta aatttctcat catcagtaag aagttttaat    900
   68 aatcacatga aggaaagcct gtttggagaa agttatgcgt aaaatattgc atatatctct    960
   70 tccattgaat tagttacatc tggatttgca taaaatcaac atttagtaaa atacgatggc   1020
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 88 aaaggagaga cactttcttg gtcccttcga ggccatatat cccattaata taaaaatata   1560
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 92 ccctaactac aaataatgta attttccaaa aacggaacta taaggaataa aaaacatgaa   1680
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 96 aaggagtaaa gaaagaaatt aaaggcacgt tacagtatca tataatataa atttaagttt   1800
 98 ggttgcattg aagttatata gtttttaaaa aaaaataaaa ttgtccaaca atacttgtcc   1860
100 aatttagaaa atctaaaaga taatttatta ttttgtgttt gtttttacctc aacatctaat  1920
102 acatttctca aattattaaa tttaatatat tcaaaaggta atatagtaat attactctta   1980
104 ttatttattt attgtttctt aagatttgtg caggtcaata ataaataact atcgttgaat   2040
106 taagggagta ccatcaaaga aattgattta taacacgatg cgggtggagg gagctagaaa   2100
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114 ttactactcc ctccatgtcc atattagttg atcatcttac tatatattaa ctgtccacct   2340
116 tactcaatta ataaaatatt aattaaagtt tttctatact agatataaaa atgttattat   2400
118 tattttttgat aaagactaga aagagtatac tatttgtata tctacagtgg gacgaccagt  2460
120 taagtatatt gtagtcaaag taaggcaacc ggatggactg catgcagcac aaaggctctc   2520
122 accactataa atactcaata ttccttctct ttcatttcca tcaacacctt caccaactaa   2580
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139 aactaaatac tcatccgatt caatttgttt gaaactatgt tccaattatt aatccgtttc    180
141 aaaaacaatg ttacattcag atatttaaaa tcaattaact taaatttctc atcatcagta    240
143 agaagtttta ataatcacat gaaggaaagc ctgtttggag aaagttatgc gtaaaatatt    300
145 gcatatatct cttccattga attagttaca tctggatttg cataaaatca acatttagta    360
147 aaatacgatg gcttagatga ttgaactttg aacaggaaaa ataagcgtgc aaataagcca    420
149 tcaatcttga actttagaaa tatatatata taattcaata agttactttta ttggaatagc    480
151 tatagtgacg gcggatttag aattttcatt aaagggactc taaaaaaata tagtgcctaa    540
153 gatttgaact tgaaactcaa gatgccacta acaacctct aatcttacat tcagaaggtt     600
155 caaaatcaat atatatagac ataatttttt aaattttttt taacctccct cgactacctc    660
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159 tagtgcactc atgctataat tacatactaa gattttatgt aatgctatat tttttcaagt    780
161 tgaagacgga acaatagca ttggatcaag acagacgcca ttgaaggaag aaaaaaccta     840
163 aaaaaataaa caaaaggaga gacactttct tggtcccttc gaggccatat atcccattaa    900
165 tataaaaata taaaacaaaa aaaagacag acggtcgccc aaggaaagaa ggcggacgtc     960
167 actaacggct aaccctaact acaaataatg taattttcca aaaacggaac tataaggaat   1020
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175 caatacttgt ccaatttaga aaatctaaaa gataaattat tattttgtgt ttgttttacc   1260
177 tcaacatcta atacatttct caaattatta aatttaatat attcaaaagg taatatagta   1320
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181 ctatcgttga attaagggag taccatcaaa gaaattgatt tataacacga tgcgggtgga   1440
183 gggagctaga aagttagtac aaatttggtt gcactaagta cttcatccgt ctcaatttat   1500
185 gagattttgt ttgattcgag acgaaattta ataaagatga ttttttaaa gttgtaatct   1560
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189 ttagctaaat tattactact ccctccatgt ccatattagt tgatcatctt actatatatt   1680
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214 ataatttttt aaattttttt taacctccct cgactacctc taggtccgcc cttactattc    180
216 ccatccgatc tcttgggaag cgggggagaa aattttataa tagtgcactc atgctataat    240
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230 aagaaagaaa ttaaaggcac gttacagtat catataatat aaatttaagt ttggttgcat    660
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250 taataaaata ttaattaaag tttttctata ctagatataa aaatgttatt attatttttg   1260
252 ataaagacta gaaagagtat actatttgta tatctacagt gggacgacca gttaagtata   1320
254 ttgtagtcaa agtaaggcaa ccggatggac tgcatgcagc acaaaggctc tcaccactat   1380
256 aaatactcaa tattccttct ctttcatttc catcaacacc ttcaccaact aacaaattaa   1440
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261 <210> SEQ ID NO: 4
262 <211> LENGTH: 1000
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Input Set : **A:\050345.txt**
Output Set: **N:\CRF4\06132005\J537094.raw**

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264 <213> ORGANISM: Solanum tuberosum
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271 gttacagtat catataatat aaatttaagt ttggttgcat tgaagttata tagtttttaa     180
273 aaaaaaataa aattgtccaa caatacttgt ccaatttaga aaatctaaaa gataatttat     240
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349 <212> TYPE: PRT
350 <213> ORGANISM: Solanum tuberosum
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Input Set : **A:\050345.txt**
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359         20              25              30
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363     35              40              45
366 Val Ala Leu Ala Val Pro Leu Pro Leu Pro Pro Thr Ser Ala Pro Ser
367     50              55              60
370 Ser Ser Ser Ser Ser Ser Ser Ser Pro Leu Pro Thr Pro Leu His Phe
371 65              70              75              80
374 Ser Glu Leu Glu Arg Val Asn Arg Ile Gly Ser Gly Thr Gly Gly Thr
375             85              90              95
378 Val Tyr Lys Val Leu His Arg Pro Thr Gly Arg Leu Tyr Ala Leu Lys
379             100             105             110
382 Val Ile Tyr Gly Asn His Glu Asp Ser Val Arg Leu Gln Met Cys Arg
383         115             120             125
386 Glu Ile Glu Ile Leu Arg Asp Val Asp Asn Pro Asn Val Val Arg Cys
387     130             135             140
390 His Asp Met Phe Asp His Asn Gly Glu Ile Gln Val Leu Leu Glu Phe
391 145             150             155             160
394 Met Asp Lys Gly Ser Leu Glu Gly Ile His Ile Pro Leu Glu Gln Pro
395             165             170             175
398 Leu Ser Asp Leu Thr Arg Gln Val Leu Ser Gly Leu Tyr Tyr Leu His
399             180             185             190
402 Arg Arg Lys Ile Val His Arg Asp Ile Lys Pro Ser Asn Leu Leu Ile
403         195             200             205
406 Asn Ser Arg Arg Glu Val Lys Ile Ala Asp Phe Gly Val Ser Arg Val
407     210             215             220
410 Leu Ala Gln Thr Met Asp Pro Cys Asn Ser Ser Val Gly Thr Ile Ala
411 225             230             235             240
414 Tyr Met Ser Pro Glu Arg Ile Asn Thr Asp Leu Asn His Gly Gln Tyr
415             245             250             255
418 Asp Gly Tyr Ala Gly Asp Ile Trp Ser Leu Gly Val Ser Ile Leu Glu
419         260             265             270
422 Phe Tyr Leu Gly Arg Phe Pro Phe Ser Val Gly Arg Gln Gly Asp Trp
423         275             280             285
426 Ala Ser Leu Met Cys Ala Ile Cys Met Ser Gln Pro Pro Glu Ala Pro
427     290             295             300
430 Pro Thr Ala Ser Arg Glu Phe Arg Glu Phe Ile Ala Cys Cys Leu Gln
431 305             310             315             320
434 Arg Asp Pro Ala Arg Arg Trp Thr Ala Ala Gln Leu Leu Arg His Pro
435             325             330             335
438 Phe Ile Thr Gln Asn Ser Pro Gly Thr His Thr Gly Pro Ala Thr Thr
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443     355             360             365
446 Ser Ser Ser Ser Ser Ser
447     370
450 <210> SEQ ID NO: 7
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 06/13/2005
PATENT APPLICATION: **US/10/537,094**   TIME: 09:37:43

Input Set : **A:\050345.txt**
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 246,278

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

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Seq#:36,37,38,39

VERIFICATION SUMMARY   DATE: 06/13/2005
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L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:46 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:240